

1 **In the Claims**

2 Claims 1 and 22 have been amended.

3 Claims 1-39 are pending and are listed below.

4
5 1. **(Currently Amended)** A multi-media processing method
6 comprising:

7 providing multiple tracks each of which being capable of being associated
8 with one or more digital data streams; and

9 representing the multiple tracks as a single track; and

10 processing the digital data associated with the single track using a
11 programmable software-implemented matrix switch in which multiple inputs can
12 be routed to multiple outputs.

13
14 2. **(Original)** The method of claim 1, wherein said act of representing
15 comprises representing at least one transition between at least two of the multiple
16 tracks.

17
18 3. **(Original)** One or more computer-readable media having computer-
19 readable instructions thereon which, when executed, implement the method of
20 claim 2.

21
22 4. **(Original)** A computer system embodying the computer-readable
23 medium of claim 3.

1 **5. (Original)** The method of claim 1, wherein said act of
2 representing comprises representing at least one effect applied to at least one of
3 the multiple tracks.

4
5 **6. (Original)** One or more computer-readable media having
6 computer-readable instructions thereon which, when executed, implement the
7 method of claim 5.

8
9 **7. (Original)** A computer system embodying the computer-readable
10 medium of claim 6.

11
12 **8. (Original)** The method of claim 1, wherein said act of
13 representing comprises representing at least one transition between at least two of
14 the multiple tracks and at least one effect applied to at least one of the multiple
15 tracks.

16
17 **9. (Original)** One or more computer-readable media having
18 computer-readable instructions thereon which, when executed, implement the
19 method of claim.

20
21 **10. (Original)** A computer system embodying the computer-readable
22 medium of claim 9.

1 **11. (Original)** The method of claim 1, further comprising operating
2 upon said single track by applying at least one transition between at least two of
3 the multiple tracks.

4
5 **12. (Original)** One or more computer-readable media having computer-
6 readable instructions thereon which, when executed, implement the method of
7 claim 11.

8
9 **13. (Original)** A computer system embodying the computer-readable
10 medium of claim 12.

11
12 **14. (Original)** The method of claim 1 further comprising operating
13 upon said single track by applying at least one effect to at least one of the multiple
14 tracks.

15
16 **15. (Original)** One or more computer-readable media having computer-
17 readable instructions thereon which, when executed, implement the method of
18 claim 14.

19
20 **16. (Original)** A computer system embodying the computer-readable
21 medium of claim 15.

1 **17. (Original)** The method of claim 1, further comprising operating
2 upon said single track by applying at least one transition between at least two of
3 the multiple tracks, and at least one effect to at least one of the multiple tracks.
4

5 **18. (Original)** One or more computer-readable media having computer-
6 readable instructions thereon which, when executed, implement the method of
7 claim 17.
8

9 **19. (Original)** A computer system embodying the computer-readable
10 medium of claim 18.
11

12 **20. (Original)** One or more computer-readable media having computer-
13 readable instructions thereon which, when executed, implement the method of
14 claim 1.
15

16 **21. (Original)** A computer system embodying the computer-readable
17 medium of claim 20.
18
19
20
21
22
23
24
25

1 **22. (Currently Amended)** A method comprising:
2 providing multiple tracks each of which being capable of being associated
3 with one or more digital data streams; and
4 grouping a particular set of operations on the tracks to provide a group
5 upon which operations can be performed that do not affect tracks that are not in
6 the group;

7 wherein said grouping comprises defining a first hierarchical tree structure
8 that represents a media project of which the tracks comprise a part; and

9 using the hierarchical tree structure to program a software implemented
10 matrix switch configured to process content of said tracks.

11
12 **23. (Original)** The method of claim 22 further comprising operating on
13 said tracks using said particular set of operations.

14
15 **24. (Original)** One or more computer-readable media having computer-
16 readable instructions thereon which, when executed, implement the method of
17 claim 23.

18
19 **25. (Original)** A computer system embodying the computer-readable
20 medium of claim 24.

21
22 **26. (Original)** The method of claim 22 further comprising operating on
23 said tracks using said particular set of operations, wherein said particular set of
24 operations comprise at least an effect.

1 **27. (Original)** One or more computer-readable media having computer-
2 readable instructions thereon which, when executed, implement the method of
3 claim 26.

4
5 **28. (Original)** A computer system embodying the computer-readable
6 medium of claim 27.

7
8 **29. (Original)** The method of claim 22 further comprising operating on
9 said tracks using said particular set of operations, wherein said particular set of
10 operations comprise at least a transition.

11
12 **30. (Original)** One or more computer-readable media having computer-
13 readable instructions thereon which, when executed, implement the method of
14 claim 29.

15
16 **31. (Original)** A computer system embodying the computer-readable
17 medium of claim 30.

18
19 **32. (Original)** The method of claim 22 further comprising operating on
20 said tracks using said particular set of operations, wherein said particular set of
21 operations comprise at least an effect and a transition.

1 **33. (Original)** One or more computer-readable media having computer-
2 readable instructions thereon which, when executed, implement the method of
3 claim 32.

4
5 **34. (Original)** A computer system embodying the computer-readable
6 medium of claim 33.

7
8 **35. (Original)** One or more computer-readable media having computer-
9 readable instructions thereon which, when executed, implement the method of
10 claim 22.

11
12 **36. (Original)** A computer system embodying the computer-readable
13 medium of claim 35.

14
15 **37. (Original)** A data structure embodied on a computer readable
16 medium, the data structure comprising:

17 one or more portions associated with at least one track of a multi-media
18 editing project, individual tracks being associated with one or more data stream
19 sources; and

20 one or more portions associated with a composite, the composite
21 comprising at least one track, said data structure being configured for use in
22 programming a software-implemented matrix switch which is configured to
23 provide a data stream defined by the multi-media editing project.

1 **38. (Original)** The data structure of claim 37 further comprising one or
2 more portions associated with a composite that is nested inside of another
3 composite.
4

5 **39. (Original)** A computer system embodying the computer-readable
6 medium of claim 37.
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25